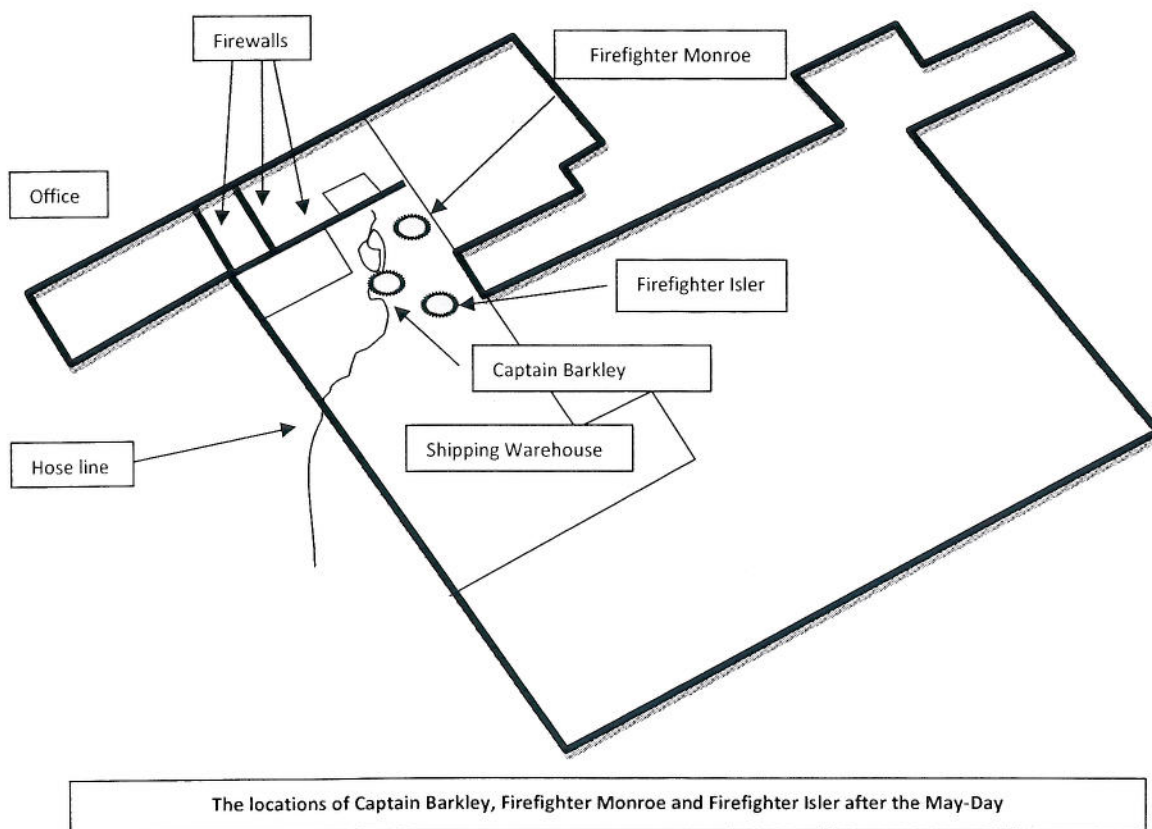


Photo "C" - Aerial view of Quint 4's location protecting fire wall. Firewalls are highlighted in grey.



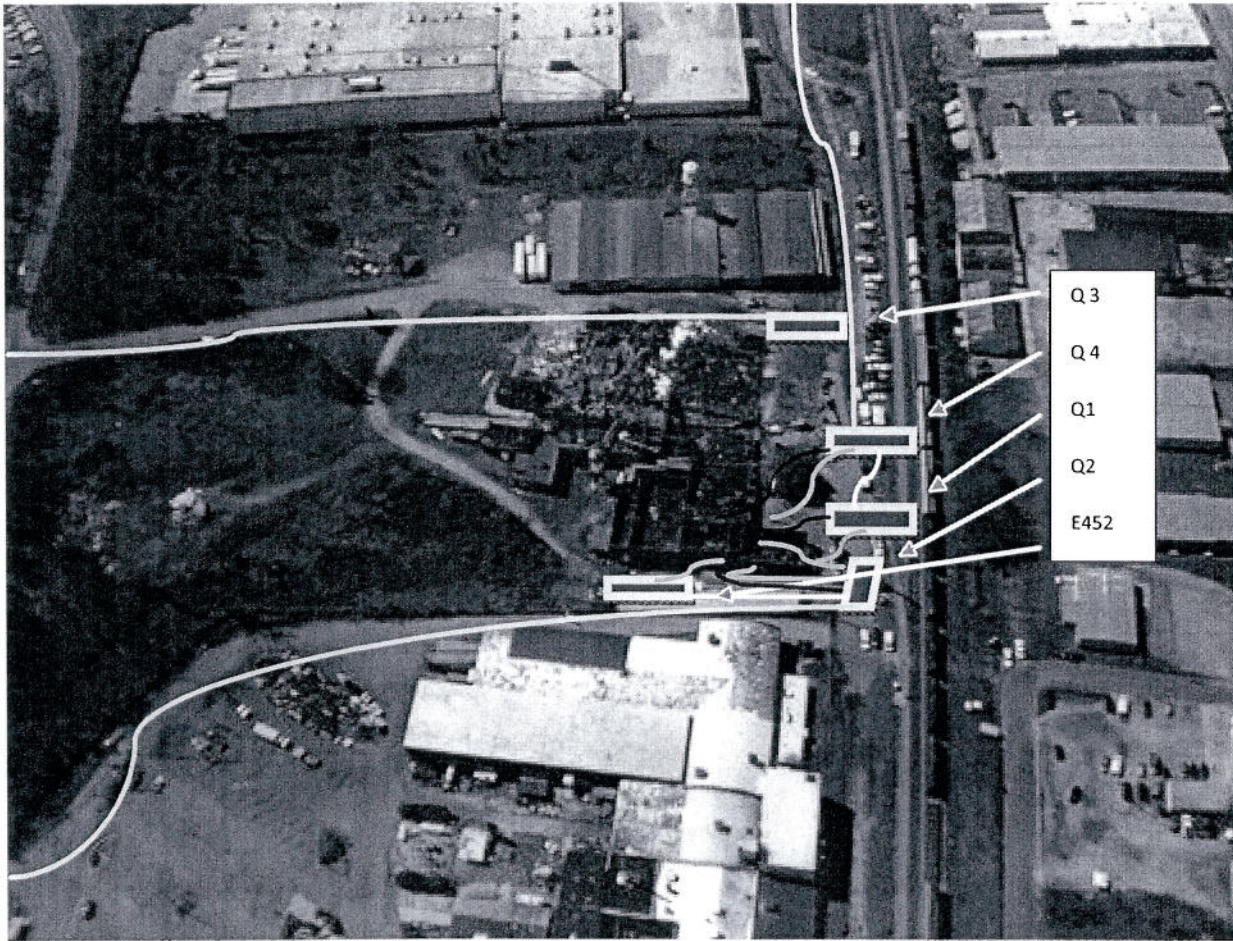


Photo "D" Supply lines and attack lines noted in this view represent the position of lines in place at the time the May-Day was issued.

Note:

- Yellow lines represent 5" supply lines
- Green lines represent 1 ¾ attack lines
- Red lines represent 2 ½ attack lines
- White lines represent 2 ½ supply lines

The lines flowing at the time of the May-Day include the following:

- 1 - 2 ½ from Quint 4 into the warehouse (**ruptured line Quint 4 was operating on**)
- 1 - 2 ½ supply line from Quint 4 to Quint 2
- 1 - 2 ½ supply line from Quint 1 into the basement
- Aerial pipe from Quint 1
- Aerial pipe from Quint 2

Appendix "A"

Salisbury Fire Department Radio Policy

SALISBURY FIRE DEPARTMENT	STANDARD OPERATING GUIDELINE	
	EFFECTIVE DATE: 6-9-08	POLICY NUMBER:
	REVISION DATE:	6.04.15
SECTION: COMMUNICATIONS	SECTION TITLE: ANNUAL RADIO MAINTENANCE	

Portable Radio Preventative Maintenance
Annual Bench Test

Introduction:

Radio communication is an important part of every incident. Proper radio operation, utilization, and recognition of problems can be made somewhat easier by a thorough maintenance program. The City of Salisbury Fire Department and City of Salisbury Telecommunication Department will provide annually, a standardized portable radio preventative maintenance and bench test program.

Purpose:

This program is designed to provide preventative maintenance and testing in an effort to maintain optimum performance of our portable radios and communication system.

Scope:

Each Salisbury Fire Department portable radio that may be utilized during incident operations is subject to this annual program. This program does not replace normal maintenance items due to damage or inferior batteries.

Procedure:

Each year during the month of March / April, Salisbury Telecom will collect each portable radio for PM. During this time of preventative maintenance, company portable radios will be out of service. Spare portable radios will be substituted on the apparatus. Company officers will advise all shift members, shift commanders and Rowan Communications of the radio changes made, and the associated portable radio ID number(s).

Parameters:

The parameters listed below will be performed on each portable radio annually as preventative maintenance by City of Salisbury Telecommunications.

Visual check of all accessories

- Battery contact and condition
- Antenna condition
- Speaker mike, connections, and cord
- Check option connector on side of radio
- Make sure all connections are tight

Check

- Knobs
- Switches
- Set power supply to 7.5 vdc
- Hook radio up to battery eliminator
- Enter test mode
- Check keypad, volume control & all switches

Hook radio up to service monitor to check receiver performance**Will check for**

- Reference frequency
- Rated audio
- Distortion
- Rx sensitivity
- Noise squelch threshold

Proceed to transmitter Performance Checks

- Reference frequency
- RF power – high, mid, low
- Voice modulation
- PL modulation
- Talk-around modulation
- Deviation balance

Tuner software will be used to make sure radio is within manufacture specifications. This test will be performed at least once a year or if radio performance degradation is suspected.

Notice:

The following information shall serve as constructive notice for daily operation of your portable radio... the dos and don'ts:

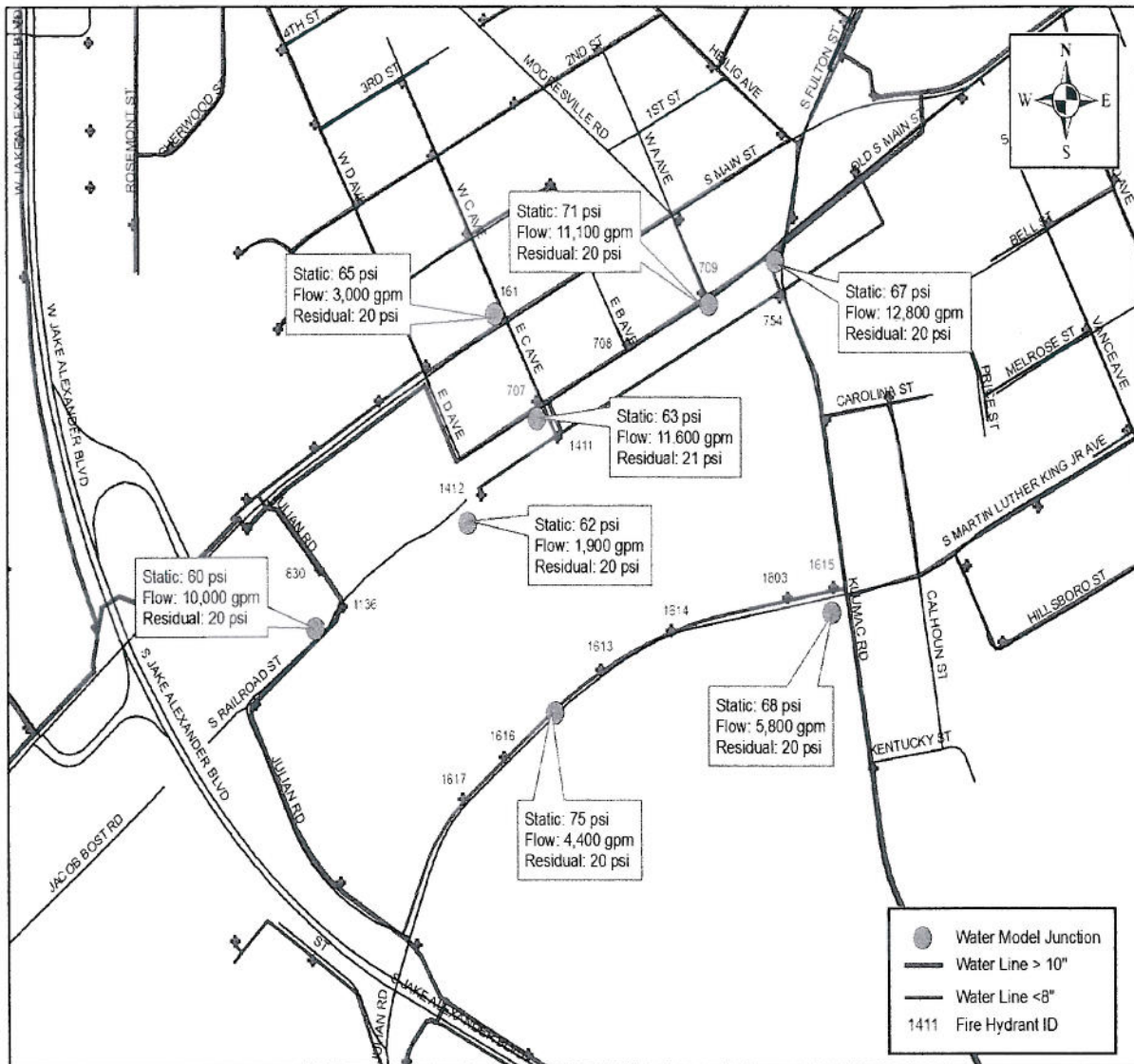
- ✓ Ensure the portable radio battery is of sufficient charge to perform for the work period.
- ✓ When changing the battery, turn off the portable radio prior to removing the battery.
- ✓ The portable radio keypad should be locked. This is accomplished by rotating the ring at the base of the channel knob clockwise 1 click. This will prevent unwanted zone changes or private calls while you are crawling around on your stomach. To unlock, rotate the ring at the base of the channel knob counter-clockwise 1 click.
- ✓ The speaker mic should be secured to the portable radio with the safety screw tightened. This will prevent accidental disconnection of the speaker mic resulting in communication loss. It increases moisture tolerance.
- ✓ The portable radio should be strapped into a leather carry case for added protection against blunt force damage.
- ✓ Do not wrap the speaker mic cord around the radio. After repeated instances of this action, the cord deteriorates at the portable radio connection to the speaker mic. This could result in loss of or reduced communication function.
- ✓ Do not wear the radio on the exterior of your turn out coat while in an IDLH atmosphere; i.e.: the interior of a structure fire. Wear the radio in your portable radio pocket on your coat or in a portable radio case and sling under your coat. This gives added protection to the portable radio while in an IDLH atmosphere.
- ✓ Clean your portable radio with a mild soap and water cloth.
- ✓ If you experience a problem with your portable radio, turn the radio over to the SFD Logistics Chief, who will work with the SFD and Salisbury Telecommunications representatives to correct the problem. Complete a City of Salisbury Work order request online including the date, time, and incident.
- ✓ If the radio is subjected to a freefall of 2' or greater, submit the radio for bench test and preventative maintenance.
- ✓ If the radio is subjected to extreme heat that causes physical damage to the radio; or flooding water over the radio, submit the radio for bench test and preventative maintenance.
- ✓ Company officers should perform a radio function test daily. 0815 is the suggested time shift wide. Shift information may be shared during this test. The test may be accomplished by transmitting and receiving on an unused ops or digital channel. Report any error's to the SFD communications representative.

References:

Division Chief D.H. Morris
Captain R. B. Misenheimer
Terry Buff; City of Salisbury Telecommunications

Appendix "B"

Available Fire Flow Model



Appendix "C"

Respiratory Protection Policy

SALISBURY FIRE DEPARTMENT	PERSONNEL TRAINING MANUAL	
	EFFECTIVE DATE: 4-1-93 REVISION DATE: 8-8-08	POLICY NUMBER: 3.12.04
TRAINING POLICIES & PROCEDURES	SECTION TITLE: RESPIRATORY SAFETY (OSHA)	

RESPIRATORY SAFETY POLICY AND PROCEDURES

PURPOSE: The purpose of this policy is to establish safety procedures for use of self-contained breathing apparatus, annual fit test and quality testing of breathing air compressors.

INTRODUCTION: Respiratory safety is utmost importance for the safety and good health of the firefighter. Smoke is made of many more toxins today than that of years ago due to the advancement of building materials and contents. Products of combustion can include: Carbon Monoxide (CO), Hydrogen Chloride (HCl), Hydrogen Cyanide (HCN), Carbon Dioxide (CO₂), Phosgene (COC₁₂), Oxides of Nitrogen (NO₂, NO) Acrolene (CH₂ChCHO), Formaldehyde (HCHO), Hydrogen Sulfide (H₂S), Sulfur Dioxide (SO₄), and Benzene (C₆H₆). Additionally, firefighters are assigned work in environments that are oxygen-deficient, superheated, asbestos filled, or contain other hazardous materials.

Discussion: Respiratory injuries in the fire service are for the most part inexcusable. The intent of the following procedures is to prevent any respiratory contact with products of combustion, superheated gases, toxic gases, or other hazardous contaminants. SCBA use, care, inspections and maintenance is in accordance with OSHA 1910.134, ANSI Z88.5-1981, NFPA 1500, and NFPA 1404.

It is the policy of the City of Salisbury Fire Department that all personnel who respond and function in areas of hazardous atmospheric contamination be equipped with self-contained breathing apparatus fit-tested and trained in its use, care inspections, emergency operations, and maintenance.

SELECTION AND MEDICAL QUALIFICATIONS FOR SELF CONTAINED BREATHING APPARATUS

Only SFD approved SCBA can be utilized by fire department employees during on-the-job activities or sponsored training. Present approval includes the following units:

Approved respiratory protection: Scott Positive Pressure 4.5/45 minute units

All department members using SCBA will be medically qualified on an annual basis by a City approved physician. Medical qualifications includes comprehensive spirogram and chest x-ray evaluations.

FIT TESTING PROCEDURES

The Salisbury Fire Department will ensure all employees using a tight fitting facepiece or respirator pass an appropriate quantitative fit test as stated below.

The employee will be fit tested prior to initial use of the respirator, whenever a different respirator facepiece (size, style, model or make) is used, and at least annually thereafter. Additional fit test will be conducted whenever the employee reports, or the employer, Physician or Health Care Professional (PLHCP), supervisor, or program manager makes visual observations of, changes in the employee's physical condition that could affect respirator fit. Such changes may include facial scarring, dental changes, cosmetic surgery, or an obvious change in body weight.